While Loop

```
we need to print Hello 5 times.
   solution: - SOP ("Hello");
                  SOP ( " Hello");
                  SOP (" Hello");
                 SOP ( " Hello ");
                 SOP (" Hello");
=> This is not extendible to point 100 or 100 times.
 SOLUTION:- int Count = 1;
                        while ( count <= 100) $
                              SOP ("Helle"):
                             Count ++;
                   11 initialization ( condition ) §
SYNTAX :-
                       // loof Work
                          11 updation;
```

ouestion 6: - Guiven an integer N as infect, print digit? its 6531 Ex:-N = OBSERVATIONS: - D we need to Get the digita 1) We need to remove lost digit 1 by 1 By using /10 N = 653 N N%10 N/10 653 65 5

CODE :int N= Scn. nextInt() while CN>O) & int Rem = N% 10; SOP (Rem + " "); N = N/10; FIX1 :- Use N>=0 in Condition of while loop. int N= Scn. nextInt() while CN>=0) & int Rem = N % 10; SOP (Rem + " "); N = N/10; * will Not work as it leads to infinite Condition.

FIX?: Handle
$$n=0$$
 Separately:

if $N = Scn. nextInt()$

if $CN = 0$ S

 $SOP(N + "");$
 $SOP($

	Ouestion 8	:-	Given	N point s	um of its Di	git?			
X.			Con	nstraint					
		Ex :-	65	31	<u>_Sum</u> → 15)			
	OBSERVATION								
	6531 653		٧	N% 10	N/Io	Sum			
					653	1			
			53	3	65	4			
		65		5	6	9			
		6		6	0	[15]			
	CODE:- int N= Scn. nextInt()								
	int Sum = 0;								
	while (N >0) { int Rem = N% 10;								
	Sum = Sum + Rem; N = N/10;								
	SOP (Sum);								

SUIZ-4: How to append Lingle Digit Number [5] ofter Another Number [R] R= 13 Lot d = 4 AXIO + & 13×10 + 4 => 130 +4 => 134

	Ouestion 9 :- Gu	iven N, point	Roverse of	f it?			
N.		N > O					
	&:- 6	'531 	> 135	6			
	OBSERVATION :		Ans XIO+Ngo				
	N	N% 10	N/10	Asversel Number			
	6531	1	653	1			
	653	3	65	13			
	6.5	5	6	135			
	5	6	O	1356			
	CODE:- int N= Scn. nextInt()						
	int Reve = 0;						
	while $(N > 0)$ & int Rem = N% 10; Rev = Rev * 10 + Rem; $N = N/10$;						
	3						
	So	P (Rev);					

ONLINE NOTES https://www.scaler.com/topics/java/online-java-compiler/?snippet_slug=9123eb30f3b34505e1a6